

AMENDMENTS TO THE CLAIMS

1-2. (Canceled)

3. (Previously Presented) The polarizer according to claims 8, wherein the quartz substrate part has a rectangular structure.

4. (Previously Presented) The polarizer according to claims 8, wherein the quartz substrate part has triangular structure.

5. (Previously Presented) The polarizer according to claims 8, wherein the quartz substrate part has a parallelogram structure.

6. (Canceled)

7. (Previously Presented) The polarizer according to claims 8, wherein the quartz substrate part comprises a plurality of quartz substrates stacked on top of one another.

8. (Currently Amended) A polarizer, comprising:

a plurality of quartz substrate parts, each quartz substrate part including one or more quartz substrates; and

a polarizer holder supporting said plurality of quartz substrate parts, wherein the polarizer holder includes a material having an optical absorptivity of almost 100% and the material is an Aluminum or Duralumin whose surface is anodized, and wherein the polarizer holder absorbs light reflected by the plurality of quartz substrate parts.

9. (Previously Presented) The polarizer according to claims 8, wherein each of said plurality of quartz substrate parts is placed at a non-zero angle relative to a normal line of the surface of the polarizer holder.

10. (Previously Presented) The polarizer according to claims 8, wherein each of said plurality of quartz substrate parts is placed at the Brewster's angle relative to a normal line of the surface of the polarizer holder

11. (Currently Amended) a polarizer system, comprising:

a light source for generating a light;

a quartz substrate part comprising a plurality of quartz substrates stacked on top of one another;

a polarizer holder supporting the quartz substrate parts, wherein the polarizer holder includes a material having an optical absorptivity of almost 100% and the material is an Aluminum or Duralumin whose surface is anodized, and wherein the polarizer holder absorbs light reflected by the quartz substrate part; and means for directing said light onto said quartz substrate part.

12. (Canceled)

13. (Previously Presented) The polarizer system according to claims 22, wherein the quartz substrate part has a rectangular structure.

14. (Previously Presented) The polarizer system according to claims 22, wherein the quartz substrate part has triangular structure.

15. (Previously Presented) The polarizer system according to claims 22, wherein the quartz substrate part has a parallelogram structure.

16. (Canceled)

17. (Previously Presented) The polarizer system according to claims 22, wherein each quartz substrate part comprises a plurality of quartz substrates stacked on top of one another.

18. (Previously Presented) The polarizer system according to claims 22, wherein said means for directing said light collimates said light.

19. (Previously Presented) The polarizer system according to claims 22, wherein said means for directing said light collimates said light and the quartz substrate part partially polarizes said collimated light.

20. (Previously Presented) The polarizer system according to claims 22, wherein each of said plurality of quartz substrate parts is placed at a non-zero angle relative to a normal line of the surface of the polarizer holder.

21. (Previously Presented) The polarizer system according to claim 22, wherein each of said plurality of quartz substrate parts is placed at the Brewster's angle relative to a normal line of the surface of the polarizer holder.

22. (Currently Amended) A polarizer system, comprising:

a light source for generating a light;

a plurality of quartz substrate parts each quartz substrate part including one or more quartz substrates;

a polarizer holder supporting said plurality of quartz substrate parts, wherein the polarizer holder includes a material having an optical absorptivity of almost 100% and the material is an Aluminum or Duralumin whose surface is anodized, and wherein the polarizer holder absorbs light reflected by the plurality of quartz substrate parts; and

[[a]] means for directing said light onto said plurality of quartz substrate parts.

23. (Original) The polarizer system according to claim 17, wherein each quartz substrate part includes means for partially polarizing said light, and wherein the degree of partially polarization depends on the number of said quartz substrates.

24-26. (Canceled)

27-37. (Withdrawn)